

Applicants : Kevin C. McCarthy and Niall R. Lynam
For : VEHICLE MIRROR ASSEMBLY COMMUNICATING
WIRELESSLY WITH VEHICLE ACCESSORIES
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In the Specification:

Please amend the specification as follows:

Please amend the paragraph beginning on page 1, line 4, as follows:

This application is a continuation of co-pending patent application Ser. No. 09/839,678, filed on Apr. 20, 2001, by McCarthy et al., for a VEHICLE MIRROR ASSEMBLY COMMUNICATING WIRELESSLY WITH VEHICLE ACCESSORIES AND OCCUPANTS (Attorney Docket No. DON01 P-902), now U.S. Patent No. 6,693,517, which claims priority from U.S. provisional patent application Ser. No. 60/199,676, filed on Apr. 21, 2000, by McCarthy et al., for a VEHICLE MIRROR ASSEMBLY COMMUNICATING WIRELESSLY WITH VEHICLE ACCESSORIES AND OCCUPANTS (Attorney Docket No. DON01 P-818), the ~~disclosure~~disclosures of which are hereby incorporated herein by reference in ~~its~~their entirety, and is a continuation-in-part of U.S. patent application Ser. No. 10/365,794, filed on Feb. 13, 2003, by DeVries et al., for a VEHICLE SYSTEM FOR ENGAGING IN A TRANSACTION BETWEEN AN OCCUPANT OF A VEHICLE (Attorney Docket No. DON01 P-1066), which is a continuation of application Ser. No. 09/687,778, filed Oct. 13, 2000, by DeVries et al., for a VEHICLE MOUNTED REMOTE TRANSACTION INTERFACE SYSTEM (Attorney Docket No. DON01 P-851), now U.S. Patent No. 6,547,133, which is a continuation of application Ser. No. 09/057,428, filed Apr. 8, 1998, by Lynam et al., for a VEHICLE MOUNTED REMOTE TRANSACTION INTERFACE SYSTEM (Attorney Docket No. DON01 P-696), now U.S. Patent No. 6,158,655, and is a continuation-in-part of U.S. patent application Ser. No. 10/755,627, filed on Jan. 12, 2004, by McCarthy et al., for a NAVIGATION SYSTEM FOR A VEHICLE (Attorney Docket No. DON01 P-1136), which is a continuation of U.S. patent application, Ser. No. 10/287,178, filed on Nov. 4, 2002, by McCarthy et al., for a NAVIGATION SYSTEM FOR A VEHICLE (Attorney Docket DON01 P-1051), now U.S. Patent No. 6,678,614, which is a continuation of U.S. patent application Ser. No. 09/799,414, filed on Mar. 5, 2001, by McCarthy et al., for a COMPLETE MIRROR-BASED GLOBAL-POSITIONING SYSTEM (GPS) NAVIGATION SOLUTION (Attorney Docket DON01 P-887), now U.S. Pat. No. 6,477,464, which claims

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priority from U.S. provisional patent application Ser. No. 60/187,960, filed on Mar. 9, 2000,
by McCarthy et al., for a COMPLETE MIRROR-BASED GLOBAL-POSITIONING
SYSTEM (GPS) NAVIGATION SOLUTION (Attorney Docket DON01 P-810).

Please amend the paragraph beginning on page 1, line 12, as follows:

A vehicle may have features and/or accessories connected by a variety of wireless links and/or wired links, such as are described in commonly assigned U.S. patent application ~~Ser. No. 09/820,013, filed on Mar. 28, 2001, by Patent No. 6,396,408, issued to Drummond et al., for a DIGITAL ELECTROCHROMIC CIRCUIT WITH A VEHICLE NETWORK,~~ which claims priority from U.S. provisional patent application Ser. No. 60/196,577, filed on Mar. 31, 2000, by Lynam et al., for a DIGITAL ELECTROCHROMIC CIRCUIT WITH A VEHICLE NETWORK SUCH AS A CAR AREA NETWORK OR A LOCAL INTERCONNECT NETWORK, and ~~Ser. No. 09/513,941, filed on Feb. 28, 2000, by U.S. Patent No. 6,294,989, issued to Schofield et al., for a TIRE INFLATION ASSISTANCE MONITORING SYSTEM,~~ the disclosures of which are hereby incorporated herein by reference. For example, some vehicle features, accessories and functions can be interconnected by and/or can communicate by wire connection, by wireless infrared communication, wireless microwave communication, by wireless RF communication, or by any combination of the above.

Please amend the paragraph beginning on page 1, line 25, as follows:

As described also in commonly assigned U.S. patent application ~~Ser. No. 09/793,002, filed on Feb. 26, 2001, by Patent No. 6,690,268 issued to Schofield et al., for VIDEO MIRROR SYSTEMS INCORPORATING AN ACCESSORY MODULE,~~ which relates to U.S. provisional application Ser. No. 60/263,680, filed on Jan. 23, 2001, by Lynam et al., entitled VIDEO MIRROR SYSTEMS INCORPORATING AN ACCESSORY MODULE, U.S. provisional application Ser. No. 60/243,986, filed on Oct. 27, 2000, by Lynam et al.,

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entitled VIDEO MIRROR SYSTEMS INCORPORATING AN ACCESSORY MODULE, U.S. provisional application Ser. No. 60/238,483, filed on Oct. 6, 2000, by Lynam et al., entitled VIDEO MIRROR SYSTEMS, U.S. provisional application Ser. No. 60/237,077, filed on Sept. 30, 2000, by Lynam et al., entitled VIDEO MIRROR SYSTEMS, U.S. provisional application Ser. No. 60/234,412, filed on Sept. 21, 2000, by Lynam et al., entitled VIDEO MIRROR SYSTEMS, U.S. provisional application Ser. No. 60/218,336, filed on Jul. 14, 2000, by Lynam et al., entitled INTERIOR REARVIEW MIRROR ASSEMBLY INCORPORATING A VIDEO SCREEN, and U.S. provisional patent application Serial No. 60/186,520, filed on Mar. 2, 2000, by Lynam et al., for an INTERIOR REARVIEW MIRROR ASSEMBLY INCORPORATING A VIDEO SCREEN, and in commonly assigned U.S. Patent Nos. 6,000,823 and 5,959,367, all of the disclosures of which are hereby incorporated herein by reference, the vehicle and particularly the interior/exterior mirror assembly can host a variety of features and accessories. Also, such features and accessories can be connected via cable elements, such as coaxial cable, a multi-ribbon cable, a multiwire cable, and/or a fiber-optic cable (for communicating by optical method), or can be connected without wires, such as by short range RF wireless communication such as provided by Motorola, Schaumburg, Ill. via their BLUETOOTH protocol or by infrared wireless communication such as provided via the IrDA protocol available from Clarinet System Inc. of San Jose, CA.

Please amend the paragraph beginning on page 4, line 31 and extending through page 5, line 18, as follows:

Also, mobile devices typically have restricted display capabilities. By connecting wirelessly to the vehicle and to the vehicle's electronics (such as a vehicle computer), the greater display capability and/or greater computing power of the vehicle (such as a vehicle video display, preferably mirror-mounted, such as disclosed in commonly assigned U.S. ~~patent application Ser. No. 09/793,002, filed on Feb. 26, 2001, by Patent No. 6,690,268~~ issued to Schofield et al., for VIDEO MIRROR SYSTEMS INCORPORATING AN ACCESSORY MODULE, which relates to U.S. provisional application Ser. No. 60/263,680,

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filed on Jan. 23, 2001, by Lynam et al., entitled VIDEO MIRROR SYSTEMS INCORPORATING AN ACCESSORY MODULE, U.S. provisional application Ser. No. 60/243,986, filed on Oct. 27, 2000, by Lynam et al., entitled VIDEO MIRROR SYSTEMS INCORPORATING AN ACCESSORY MODULE, U.S. provisional application Ser. No. 60/238,483, filed on Oct. 6, 2000, by Lynam et al., entitled VIDEO MIRROR SYSTEMS, U.S. provisional application Ser. No. 60/237,077, filed on Sept. 30, 2000, by Lynam et al., entitled VIDEO MIRROR SYSTEMS, U.S. provisional application Ser. No. 60/234,412, filed on Sept. 21, 2000, by Lynam et al., entitled VIDEO MIRROR SYSTEMS, U.S. provisional application Ser. No. 60/218,336, filed on Jul. 14, 2000, by Lynam et al., entitled INTERIOR REARVIEW MIRROR ASSEMBLY INCORPORATING A VIDEO SCREEN, and U.S. provisional patent application Ser. No. 60/186,520, filed Mar. 2, 2000, by Lynam et al., for an INTERIOR REARVIEW MIRROR ASSEMBLY INCORPORATING A VIDEO SCREEN, the disclosures of which are hereby incorporated herein by reference), can be accessed and used by the mobile device.

Please amend the paragraph beginning on page 6, line 26, as follows:

As described in commonly assigned U.S. ~~patent application Ser. No. 09/799,414, filed on Mar. 5, 2001, by Patent No. 6,477,464 issued to McCarthy et al., for a COMPLETE MIRROR-BASED GLOBAL-POSITIONING SYSTEM (GPS) NAVIGATION SOLUTION, which claims priority from U.S. provisional patent application Ser. No. 60/187,960 filed on Mar. 9, 2000, by McCarthy et al., for a COMPLETE MIRROR-BASED GLOBAL-POSITIONING SYSTEM (GPS) NAVIGATION SOLUTION, and U.S. patent application Ser. No. 09/561,023, filed on Apr. 28, 2000, by Patent No. 6,553,308 issued to Uhlmann et al., for a VEHICLE NAVIGATION SYSTEM WITH SMART MAP FILTERING, PORTABLE UNIT HOME-BASE REGISTRATION AND MULTIPLE NAVIGATION SYSTEM PREFERENTIAL USE, which claims priority from U.S. provisional application Ser. No. 60/131,593 filed on Apr. 29, 1999, by Uhlmann et al., for a VEHICLE-BASED NAVIGATION SYSTEM WITH A SMART MAP FILTERING, PORTABLE UNIT HOME-BASED REGISTRATION AND MULTIPLE NAVIGATION SYSTEM~~

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PREFERENTIAL USE, the disclosures of which are hereby incorporated herein by reference, provision of a display and particularly a scrolling text display at the interior rear view assembly of the vehicle (and/or the exterior rear view mirror assembly) has many advantages including ease of readability and recognition by the driver of the vehicle.

Please amend the paragraph beginning on page 10, line 1, as follows:

A communication transmitting and/or receiving data port 38 is located in the front, lower bezel portion of casing 34, below mirror reflector element 36. When mirror system 30 is mounted in a vehicle (such as attached to a vehicle windshield or to a vehicle header, as is known in the mirror art), communication port 38 is adapted to receive data from and/or transmit data to a mobile device (such as a PDA or a cellular phone) by wireless data communication. Preferably, communication port 38 comprises an IR data port. Manually operated controls, 40, 41 and 42, facilitate exchange of data between mirror system 30 and a mobile device. Mirror system 30 also includes a multi-text display 46, that preferably comprises a multi-pixel display, more preferably a reconfigurable display and most preferably a display capable of scrolling, such as described in commonly assigned U.S. patent application Ser. No. 09/799,414, filed on Mar. 5, 2001, by Patent No. 6,477,464 issued to McCarthy et al., for a COMPLETE MIRROR-BASED GLOBAL-POSITIONING SYSTEM (GPS) NAVIGATION SOLUTION, which claims priority from U.S. provisional application Serial No. 60/187,960 filed on Mar. 9, 2000, by McCarthy et al., for a COMPLETE MIRROR-BASED GLOBAL-POSITIONING SYSTEM (GPS) NAVIGATION SOLUTION, and U.S. patent application Ser. No. (unassigned) 09/817,874, filed on Mar. 26, 2001, by Quist et al., for an INTERACTIVE AUTOMOTIVE REAR VISION SYSTEM, which claims priority from U.S. provisional application Ser. No. 60/192,721, filed on Mar. 27, 2000, by Lynam et al., for an INTERACTIVE AUTOMOTIVE REAR VISION SYSTEM, the disclosures of which are hereby incorporated herein by reference. Mirror system 30 also includes a display of compass direction and external or interior vehicular temperature.

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Please amend the paragraph beginning on page 10, line 22, as follows:

Also, a mobile device in data communication with mirror system 30 can optionally attach to or dock with the interior mirror assembly, and/or can form a pendant accessory thereto, such as is described in commonly assigned patent application Ser. No. 09/449,121, ~~filed on Nov. 24, 1999, by U.S. Patent No. 6,428,172 issued to Hutzel et al., for a~~ REARVIEW MIRROR ASSEMBLY WITH UTILITY FUNCTIONS, the disclosure of which is hereby incorporated herein by reference.

Please amend the paragraph beginning on page 10, line 27, as follows:

Also, the mobile device can link to a vehicle bus system, such as a CAN or LIN system such as disclosed in commonly assigned U.S. patent application Ser. No. 09/820,013, ~~filed on Mar. 28, 2001, by Patent No. 6,396,408 issued to Drummond et al., for a~~ DIGITAL ELECTROCHROMIC CIRCUIT WITH A VEHICLE NETWORK, which claims priority from U.S. provisional patent application Serial No. 60/196,577, filed on Mar. 31, 2000, by Lynam et al., for a DIGITAL ELECTROCHROMIC CIRCUIT WITH A VEHICLE NETWORK SUCH AS A CAR AREA NETWORK OR A LOCAL INTERCONNECT NETWORK, the disclosures of which are hereby incorporated herein by reference, via data communication with communication port 38 of mirror system 30.

Please amend the paragraph beginning on page 11, line 18, as follows:

Also, many mobile devices such as PDAs, cellular phones, and the like, require manual input of data. However, while driving in a car, this may be impractical and/or unsafe for the driver. By linking such mobile devices to a vehicle, as disclosed in the present invention, an in-vehicle voice detection/voice recognition/voice generation system, such as are described in commonly assigned U.S. patent application Ser. No. 09/449,121, ~~filed on Nov. 24, 1999, by Patent No. 6,428,172 issued to Hutzel et al., for a~~ REARVIEW MIRROR

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ASSEMBLY WITH UTILITY FUNCTIONS, and Ser. No. ~~09/466,010~~, filed on Dec. 17, 1999, by U.S. Patent No. 6,420,975 issued to DeLine et al., for an INTERIOR REARVIEW MIRROR SOUND PROCESSING SYSTEM, the disclosures of which are hereby incorporated herein by reference, can be used to operate the mobile device while traveling in the vehicle. For example, by using an in-vehicle voice detection/recognition/generation system, and by linking a PDA to the vehicle as disclosed in the present invention, the driver can hear data stored in the PDA (such as calendar information, notes and the like) by playback via the vehicle audio system (and with the vehicle voice generation system receiving digital data stored in the PDA via wireless, or less desirably wired, link of the PDA to the vehicle and then converting this digital data to a simulated voice that reads the digital data to the driver via the vehicle audio system). Likewise, the in-vehicle voice detection/recognition/generation system can receive spoken words from the driver, convert these to digital data, and communicate this to the PDA.